

Polly Biyu He

Curriculum Vitae

Graduate School of Business
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Education

- Stanford University, Graduate School of Business, Stanford, CA
 - Ph.D., Operations, Information and Technology (expected 2010)
 - Dissertation: *Using Workload Updates to Reduce Operating Room Labor Costs*
 - Dissertation Advisor: Stefanos Zenios
 - Dissertation Reading Committee: Hau L. Lee, Lawrence M. Wein
- University of Wisconsin-Madison, Madison, WI
 - M.A., Mathematics, 2005
- University of Cambridge, Cambridge, UK
 - Certificate of Advanced Study in Mathematics, *with Honors*, 2003
- Xi'an Jiaotong University, Xi'an, China
 - B.S., Information and Computing Science, 2002

Research Interests

- Production and Service Management, Applications of Operations Management in Healthcare Delivery and Public Policy
- Empirical Research in Operations Management
- Dynamic Decision Models with Information Updates

Research Papers

- “*Staffing in Hospital Operating Rooms: Capturing Information on Workload Heterogeneity to Reduce Total Costs*”, with Franklin Dexter, Alex Macario and Stefanos Zenios, under review at *M&SOM*.
- “*Dynamic Adjustments of Staffing with Workload Information Updates*”, with Stefanos Zenios, Franklin Dexter and Alex Macario, working paper, Stanford University.

Conference Presentation

- Operating Rooms Capacity Planning: Implementing the Newsvendor Model with Heterogeneous Demand, 2008 INFORMS Annual Meeting, Washington DC.

Teaching Experience

- 2005 - Present, Stanford University, Graduate School of Business
 - Operations (MBA core), Course Assistant (Spring 2009)
 - Health Care Technology: From Innovators, to Providers, to Patients (MBA elective), Grader, (Winter 2009)
 - Fundamentals of OIT (PhD core), Co-Instructor (Fall 2008)
 - Price & Revenue Optimization (MBA elective), Course Assistant (Spring 2008)
- 2003 - 2005, Teaching Assistant, University of Wisconsin-Madison
 - Calculus (undergraduate), Evaluation: 4.50/5.0 (Spring 2005)
 - Calculus (undergraduate), Evaluation: 4.44/5.0 (Fall 2004)
 - Calculus (undergraduate), Evaluation: 4.28/5.0 (Spring 2004)
 - Calculus with Algebra & Trigonometry I (undergraduate), Evaluation: 4.24/5.0 (Fall 2003)

Scholarships & Awards

- M&SOM Student Paper Competition, Finalist (2009)
- Plossl Doctoral Dissertation Competition, Runner-up Award (2009)
- Doctoral Fellowship, Stanford Graduate School of Business (2005-present)
- Full Tuition Scholarship and Fellowship, University of Wisconsin-Madison (2003-2005)
- Trinity College Studentship in Mathematics, University of Cambridge (2002-2003)
- Excellent Graduating Student of Xi'an Jiaotong University (2002)

Affiliation & Professional Service

- Memberships
 - Institute for Operations Research and Management Sciences (INFORMS)
 - Manufacturing & Service Operations Management Society (MSOM)
- Ad Hoc Reviewer: *Production and Operations Management*

References

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